

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 61287488
PUBLICATION DATE : 17-12-86

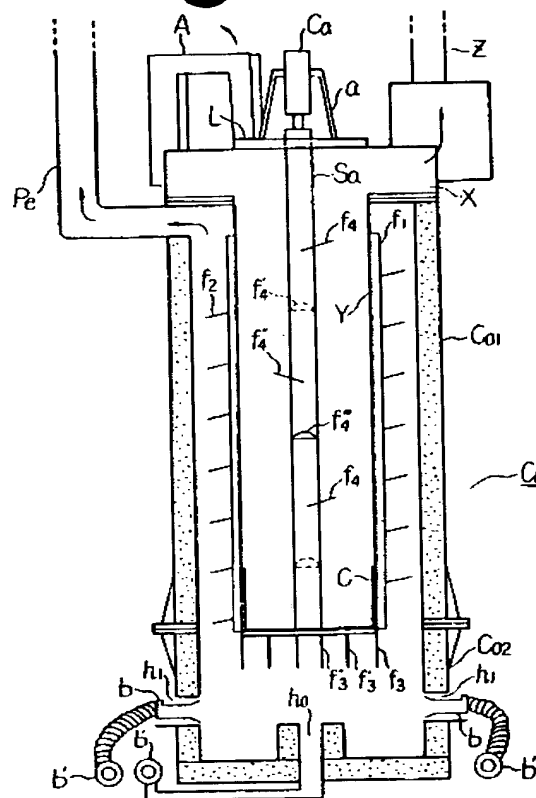
APPLICATION DATE : 12-06-85
APPLICATION NUMBER : 60127545

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INT.CL. : B09B 3/00 C10J 3/00

TITLE : DRY DISTILLATION DEVICE FOR
CAUSING THERMAL DECOMPOSITION
OF WASTE MATERIAL



ABSTRACT : PURPOSE: To improve heat conduction and heat efficiency in the inside of a dry distillation device and to enable production of regenerated oil and secondary base metal by forming several kinds of fin to the peripheral side of a thermal decomposition cylinder installed in a dry distillation device and providing a stirring shaft fitted with stirrer, etc., to the inside of the thermal decomposition cylinder.

CONSTITUTION: In a dry distillation device causing thermal decomposition of waste materials having an external cylinder C_0 and installing a thermal decomposition cylinder Y therein, plural fins f_1 having angular sectional shape are provided in the vertical direction and adjacent to each other to the peripheral side of the thermal decomposition cylinder Y , and spiral fins f_2 formed spirally upwards around the fins f_1 are provided; further, annular fins f_3 are provided to the bottom face of the cylinder Y . Plural stirring fins f_4 are provided also to the peripheral side of a hollow stirring shaft Sa provided to the inside of the cylinder Y , and a bottomed cartridge C having small holes perforated at the foot end of the stirring shaft Sa is provided. The dry distillation device is heated from the bottom and from inside with direct fire of a gas burner (b). As the result, the heat conduction in the inside of the dry distillation device is held in an ideal condition, and the heat efficiency is improved as best as possible, permitting production of regenerated oil and secondary base metal.

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